



उत्तर प्रदेश पुलिस 2024



DAY
01

30 दिन FREE CRASH COURSE

(TOPIC WISE)

Number Series

अब तक के सारे **Patterns** के साथ



Abhimanyu Sir

192, 24, 28, 56, 7, 11, ?

UPSI, 1/12/2021 (Shift 3)

Divide ✓

- ✓ (a) 22
- (b) 88
- (c) 15
- (d) 18

192 24 28 56 7 11
÷8 +4 ×2 ÷8 +4 ×2

3, 4, 7, 22, 87, ?

UPSI, 13/11/2021 (Shift 2)

Unit

Multiply

$$\begin{array}{r} \times 387 \\ 435 \\ \hline 435+1 \\ \hline 436 \end{array}$$

- (a) 435
 ✓ (b) 436
 (c) 438
 (d) 437

3 4 7 22 87

$\times 1+1$ $\times 2-1$ $\times 3+1$ $\times 4-1$ $\times 5+1$

11, 6, 7, 16, 59, ?**UPSI, 1/12/2021 (Shift 1)****Multiply**

Handwritten calculation showing the multiplication of 59 by 5. The result 295 is circled, and 290 is circled below it.

$$\begin{array}{r} 59 \\ \times 5 \\ \hline 295 \end{array}$$

290

- (a) 302
(b) 297
(c) 295
✓ (d) 290

Handwritten sequence of numbers: 11, 6, 7, 16, 59. Arrows indicate the pattern: $11 \times 1 - 5 = 6$, $6 \times 2 - 5 = 7$, $7 \times 3 - 5 = 16$, $16 \times 4 - 5 = 59$, and $59 \times 5 - 5 = ?$.

Imp

* न बढ़ते क्रम में ही न
ही घटते क्रम में ही

Double pattern

"दीहरा क्रम"

115, 160, 104, 171, 93, ?

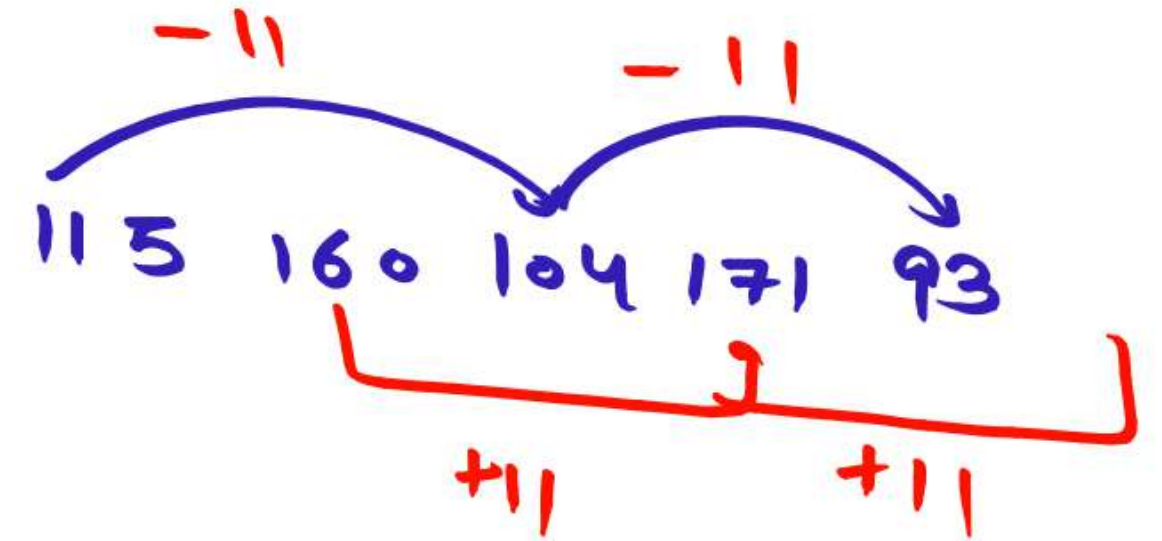
UPSI, 22/11/2021 (Shift 3)

(a) 183

(b) 180

(c) 181

✓ (d) 182



1, 2, 5, 26, ?

UPSI, 23/11/2021 (Shift 1)

(a) 626

✓ (b) 677 ✓

(c) 684

(d) 636

x^2	x^3
$x^2 \pm x$	$x^3 \pm x$
$x^2 \pm n$	$x^3 \pm n$

वर्ग $\Rightarrow x^2 \Rightarrow 1-5$ (30)

घन $\Rightarrow x^3 \Rightarrow 1-25$ (20)

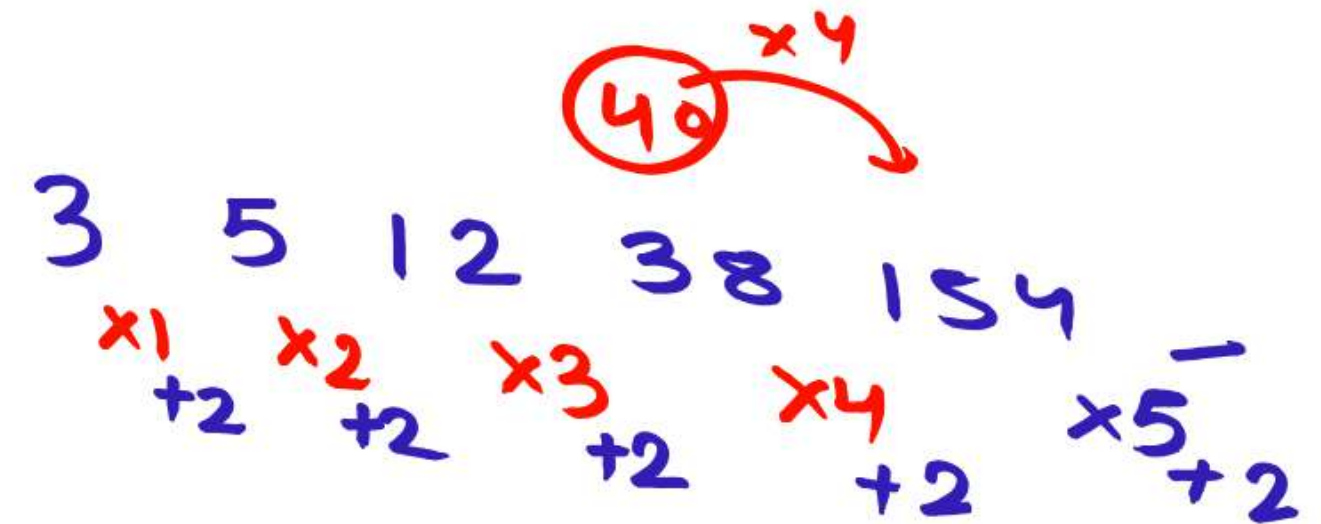
676+1
26²

1 2 5 26
1²+1 2²+1 5²+1 26²+1
(6)+1

3, 5, 12, 38, 154, ?

UPSI, 20/11/2021 (Shift 3)

- (a) 774
- (b) 772
- (c) 773
- (d) 775



* "जोड़ने पर" =

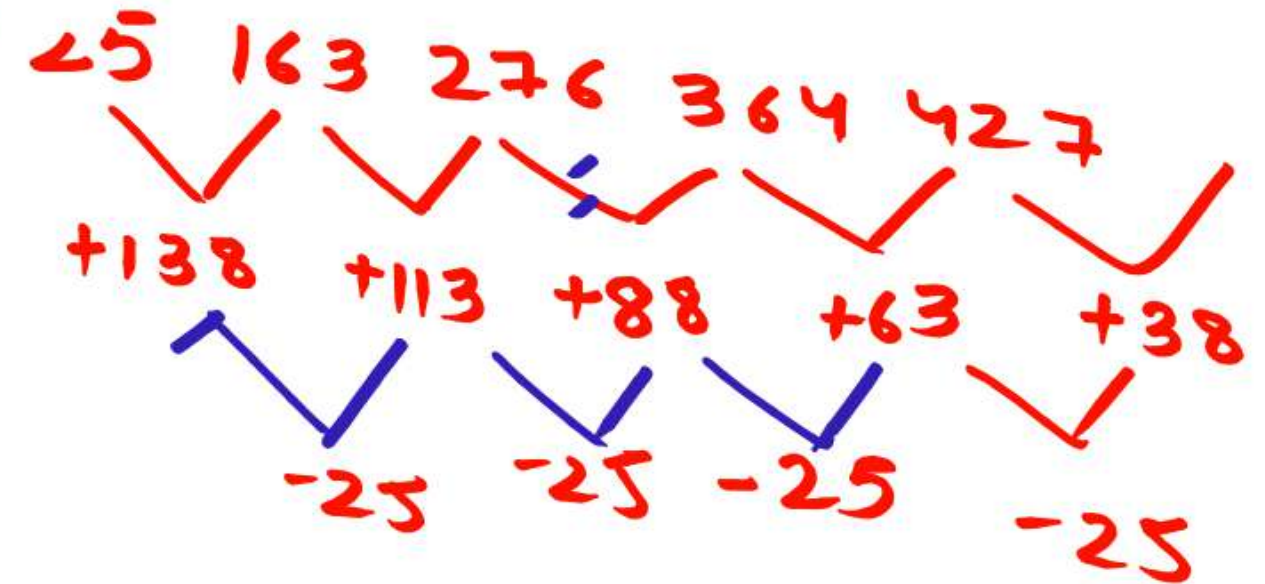
$$\begin{array}{r} 1 \\ 427 \\ + 38 \\ \hline 465 \end{array}$$

25, 163, 276, 364, 427, ?

UPSI, 20/11/2021 (Shift 1)

- (a) 468
✓ (b) **465**
(c) 466
(d) 467

$$\begin{array}{r} 24 \\ 64 - \end{array}$$



10 multiple

e.g

~~10~~
-32

100 → 32 ✓✓

32

8+60=68 ✓

100

6, 11, 24, 45, 94, ?

UPSI, 25/11/2021 (Shift 2)

$$\begin{array}{r} 94 \\ \times 2 \\ \hline 8-5 \end{array}$$

- ✓(a) **183**
(b) 181
(c) 184
(d) 182

$$\begin{array}{cccccc} 6 & 11 & 24 & 45 & 94 & \\ \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \\ \times 2-1 & \times 2+2 & \times 2-3 & \times 2+4 & \times 2-5 & \end{array}$$

215, 336, 255, 304, 279, ?**UPSI, 1/12/2021 (Shift 2)**

- (a) 290
(b) 282
(c) 292
✓ (d) **288**

Handwritten solution showing the pattern:

215 336 255 304 279

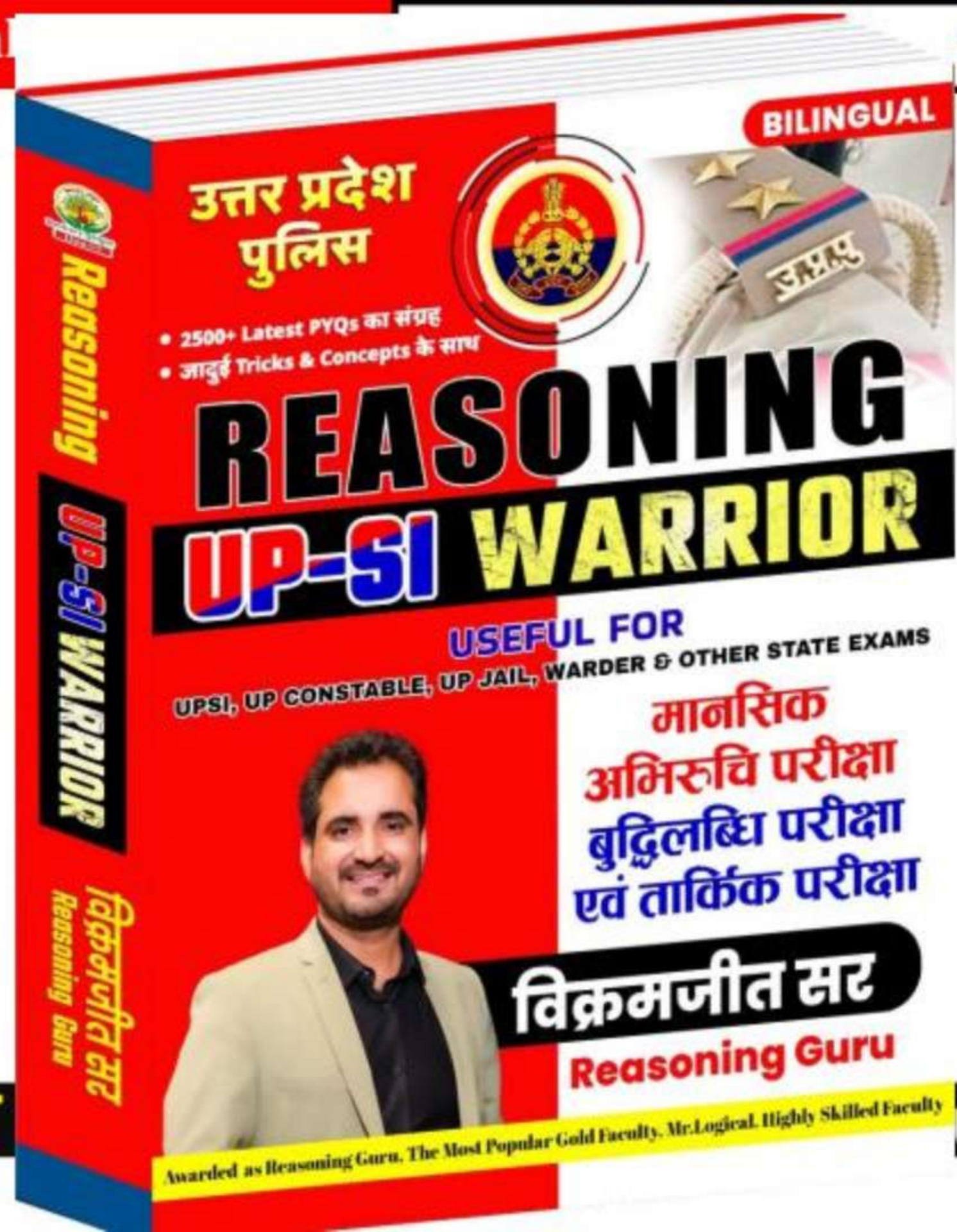
 ✓ ✓ ✓ ✓

+121 -81 +49 -25 +9

(11²) (9²) (7²) (5²) (3²)

 45 45

 36 4



5, 6, 14, 45, 184, ?

UPSI, 17/11/2017 (Shift 2)

- (a) 927
- (b) 926
- ✓ (c) 925
- (d) 924

Handwritten diagram illustrating the sequence: 5, 6, 14, 45, 184. The numbers are written in blue. Red curved arrows connect the numbers with the following operations written below them: $\times 1 + 1$, $\times 2 + 2$, $\times 3 + 3$, $\times 4 + 4$, and $\times 5 + 5$.

240, 1200, 600, 3000, 1500, ?

UPSI, 16/11/2021 (Shift 3)

(a) 6000

✓ (b) 7500

(c) 6500

(d) 5500

240 1200 600 3000 1500
×5 ÷2 ×5 ÷2 ×5

Smart ✓

17, 25, 52, 116, 241, 457, ?

UPSI, 17/11/2021 (Shift 1)

+

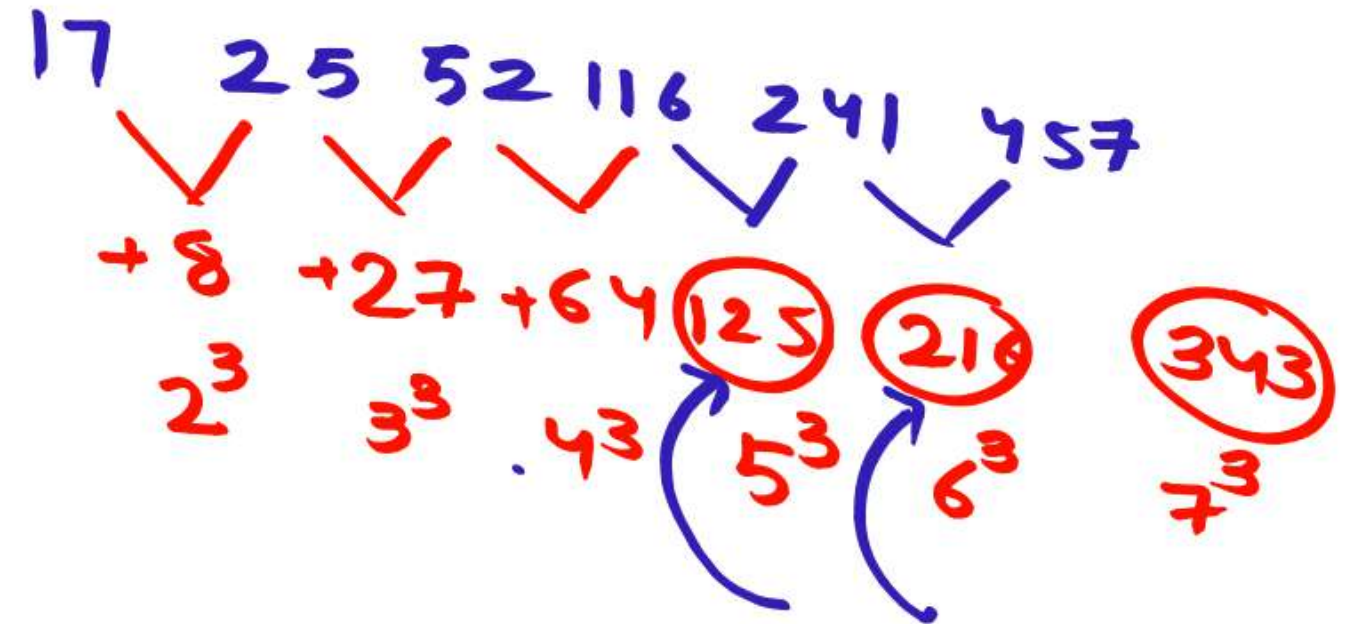
457 343

✓ (a) 800

~~(b) 720~~

~~(c) 525~~

~~(d) 750~~



48, 24, 36, 90, ?

UPSI, 27/11/2021 (Shift 3)

$$90 \times 3.5$$

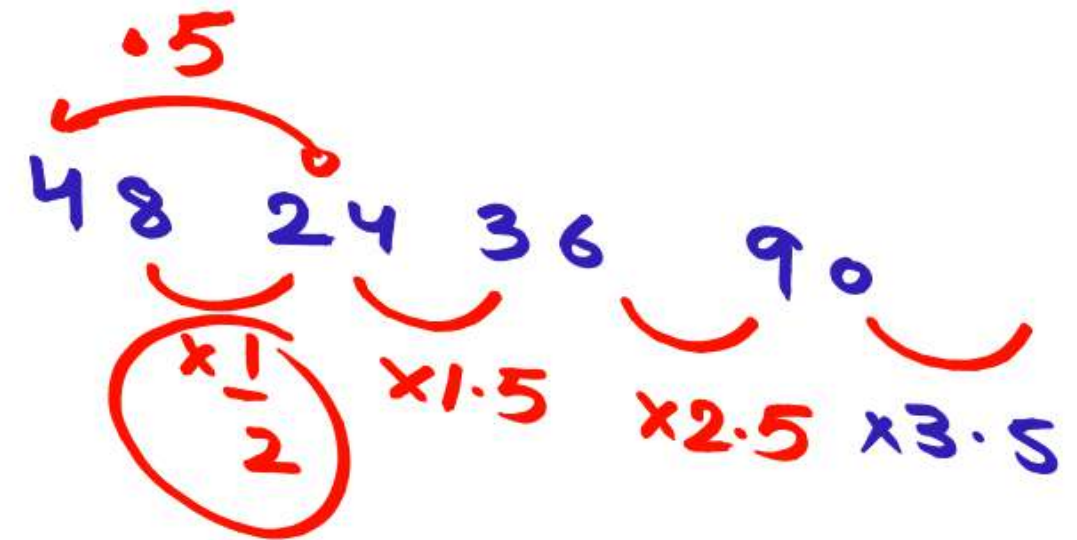
$$\begin{array}{r} 270 \\ 45 \\ \hline 315 \end{array}$$

(a) 310

(b) 320

(c) 300

✓ (d) 315



13, 14, 14, 16, 32, 35, 105, ?

UPSI, 13/11/2021 (Shift 1)

- ✓✓ (a) 109
(b) 432
(c) 110
(d) 436

13 14 14 16 32 35 105
+1 $\times 1$ +2 $\times 2$ ~~+3~~ $\times 3$ +4

12, 60, 65, 325, ?, 1650

UPSI, 27/11/2021 (Shift 2)

(a) 340

☒ **(b) 330**

(c) 335

(d) 345

$$12 \quad 60 \quad 65 \quad 325 \quad - \quad 1650$$
$$\times 5 \quad + 5 \quad \times 5 \quad + 5$$

x^2

Imp
✓ ☆ ☆ ☆

30, 54, 126, ?, 294, 366

UPSI, 27/11/2021 (Shift 2)

(a) 172

✓ (b) 174

(c) 186

(d) 182

30 54 126 174 294 366

↑ ↑ ↑

5^2+5 7^2+5 11^2+5 13^2+5

2
Prime + 5

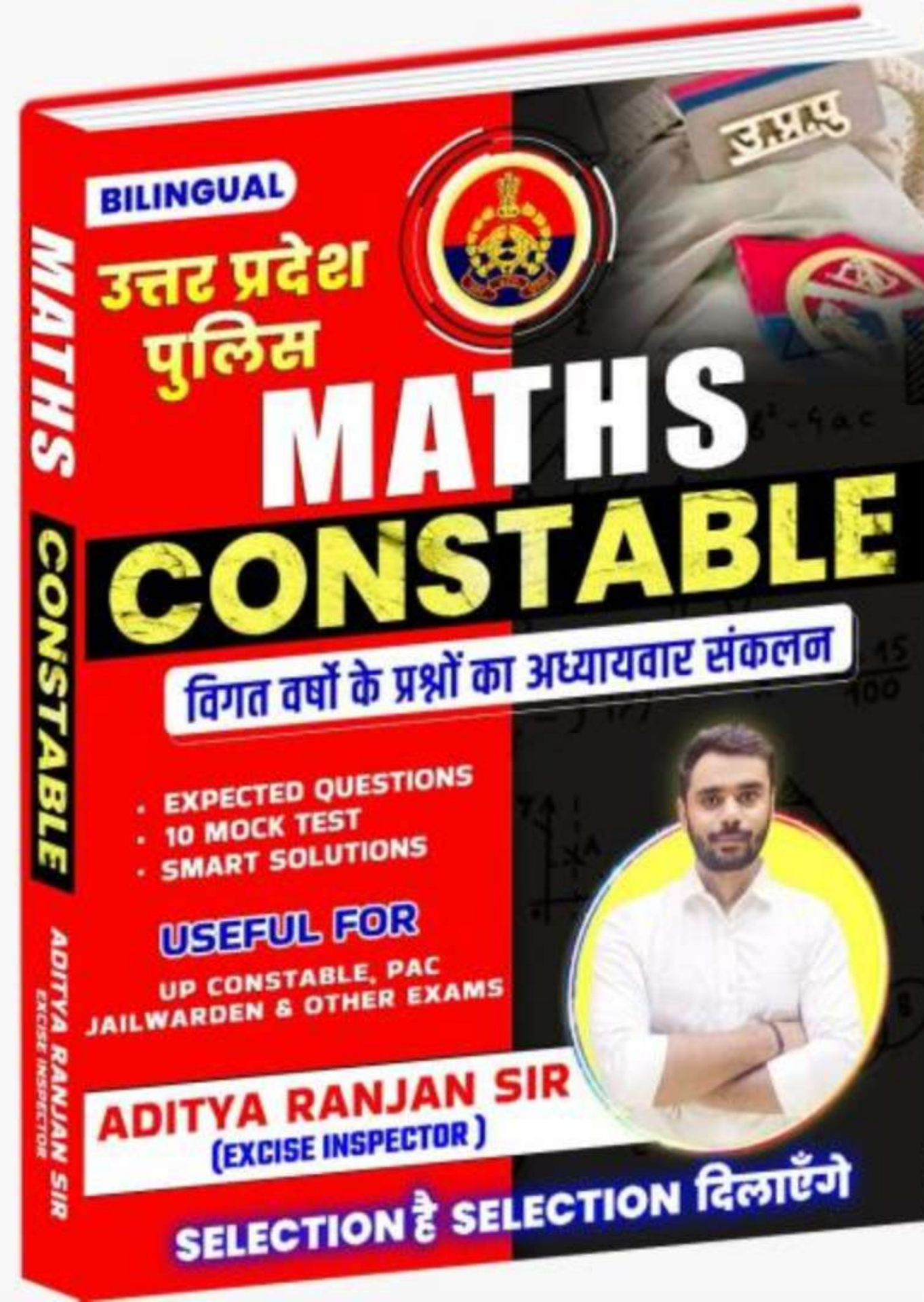
43, 54, 76, 109, 153, ?

UPSI, 25/11/2021 (Shift 1)

जोड़ने

- (a) 187
- (b) 196
- (c) 212
- ✓ (d) 208

43 54 76 109 153
+11 +22 +33 +44 +55



17, 18, 22, 31, 47, ?

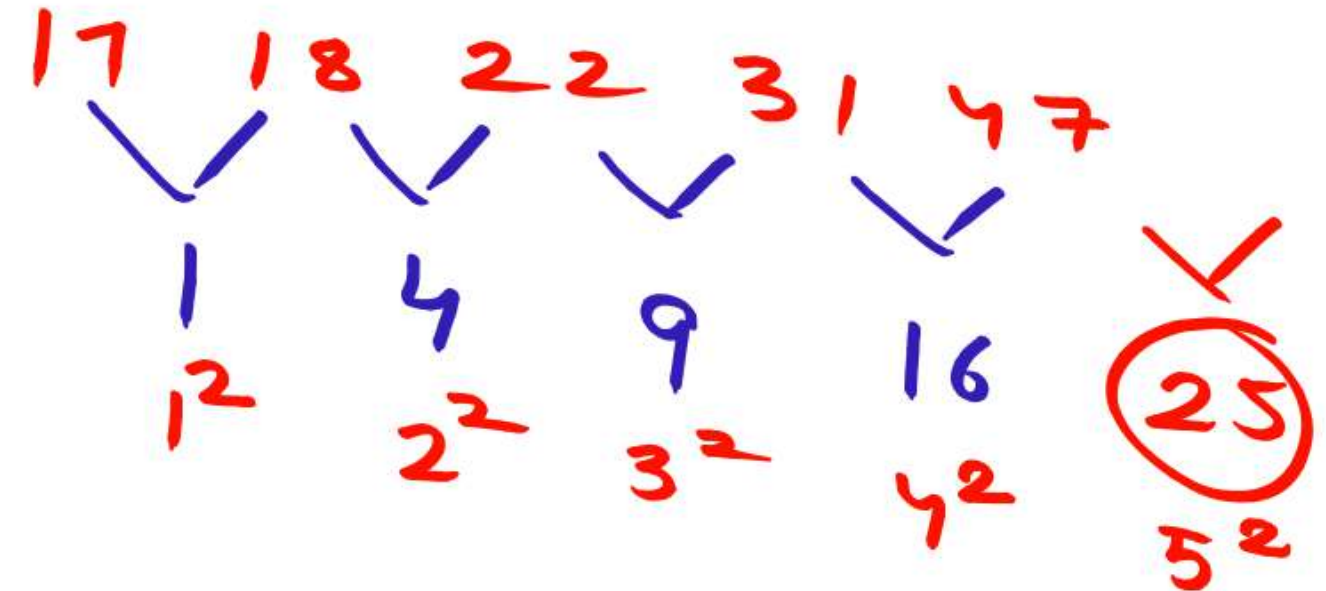
UPSI, 21/11/2021 (Shift 1)

(a) 68

(b) 60

✓ (c) 72

(d) 76



600, ?, 300, 100, 25, 5



UPSI, 13/11/2021 (Shift 3)

(a) 200

(b) 400

(c) 600 ✓

(d) 500

3, 7, 22, 45, 116, ?

UPSI, 13/11/2021 (Shift 3)

169-6

(a) 152

✓ (b) 163

(c) 158

(d) 147

3 7 22 45 116

2^2-1 3^2-2 5^2-3 7^2-4 11^2-5

✓
अभास्ये

13^2
-

✓ 50, 25, 25.5, 25.5, 26.5, ?, 41.25

UPSI, 2/12/2021 (Shift 2)

$$\frac{26.5}{10} \times \frac{1.5}{10}$$

$$\begin{array}{r} 26.5 \\ 13.0 \\ \hline 13.5 \\ \cdot 75 \end{array}$$

(a) ~~39.5~~

✓ (b) 39.75

(c) 38.75

(d) ~~39.25~~

50 25 25.5 25.5 26.5 ? 41.25
 $\times \frac{1}{2}$ $+ .5$ $\times 1$ $+ 1$ $\times 1.5$

48, 72, 108, 162, ?

UPSI, 29/11/2021 (Shift 1)

$$\begin{array}{r} 1 \\ 16 \ 2 \\ 8 \ 1 \\ \hline 243 \end{array}$$

(a) 212

(b) 242

(c) 222

✓✓ (d) **243**

48 72 108 162
 $\times 1.5 \times 1.5 \times 1.5$

13, 14, 14, 16, 17, 17, 19, ?

UPSI, 30/11/2021 (Shift 1)

✓ (a) 20

(b) 19

(c) 21

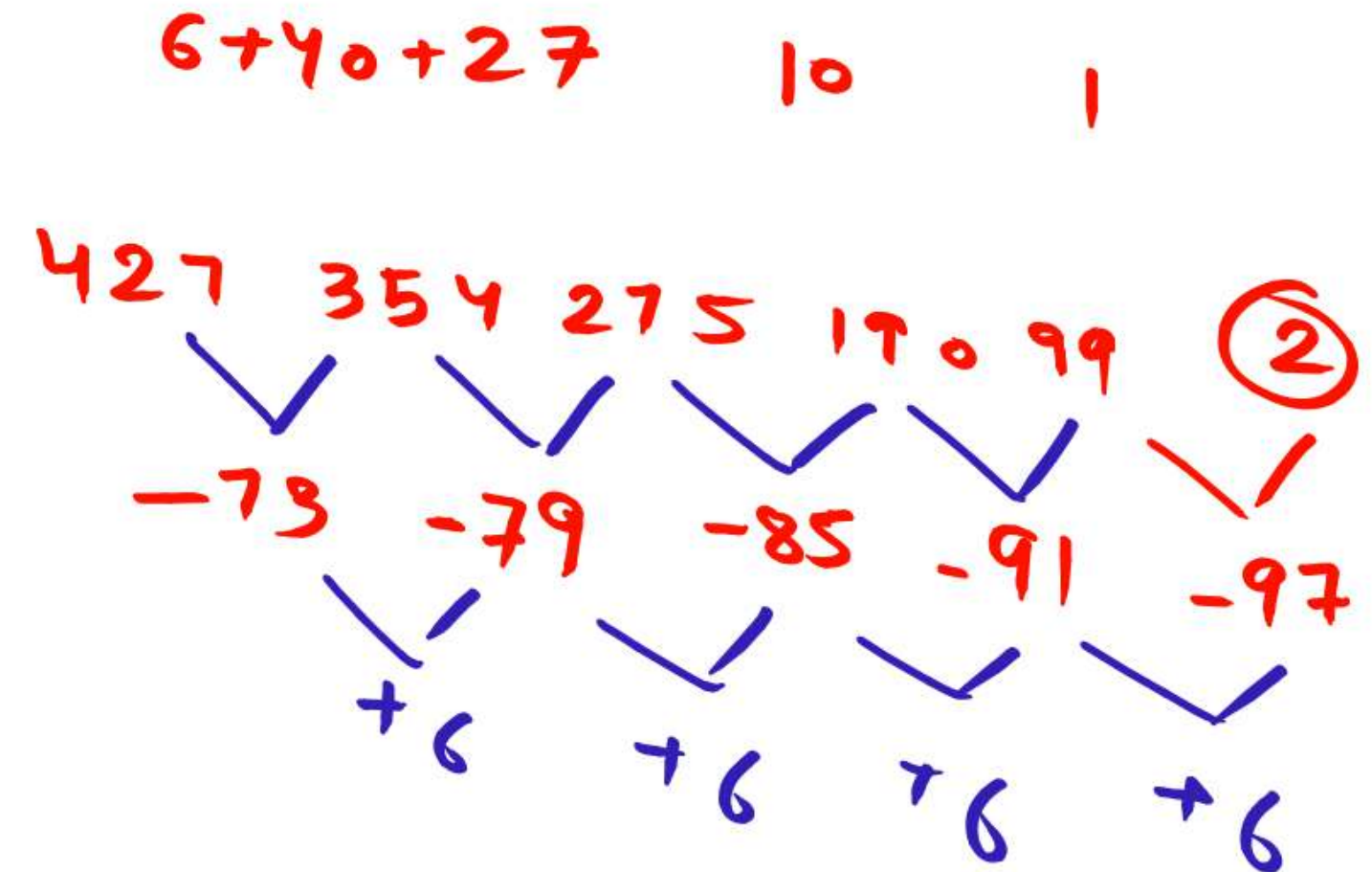
(d) 22

13 14 14 16 17 17 19
+1 x1 +2 +1 x1 +2 +1

427, 354, 275, 190, 99, ?

UPSI, 14/11/2021 (Shift 2)

- (a) 3
- (b) 1
- (c) 4
- ✓ (d) 2



32, 32, 39, 78, 89, 267, ?

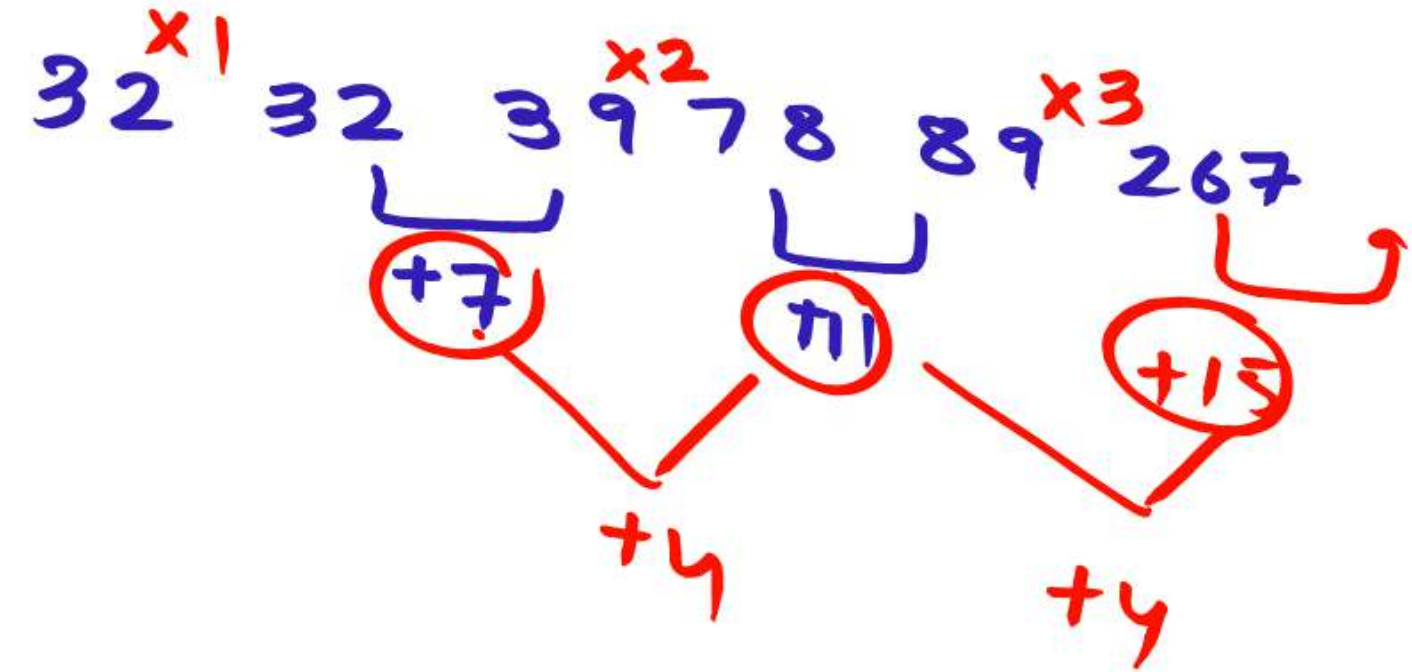
UPSI, 24/11/2021 (Shift 3)

(a) 274

✓ (b) 282

(c) 276

(d) 289



✓✓ **New type**

✓ 2, 3, 5, 8, 13, ?

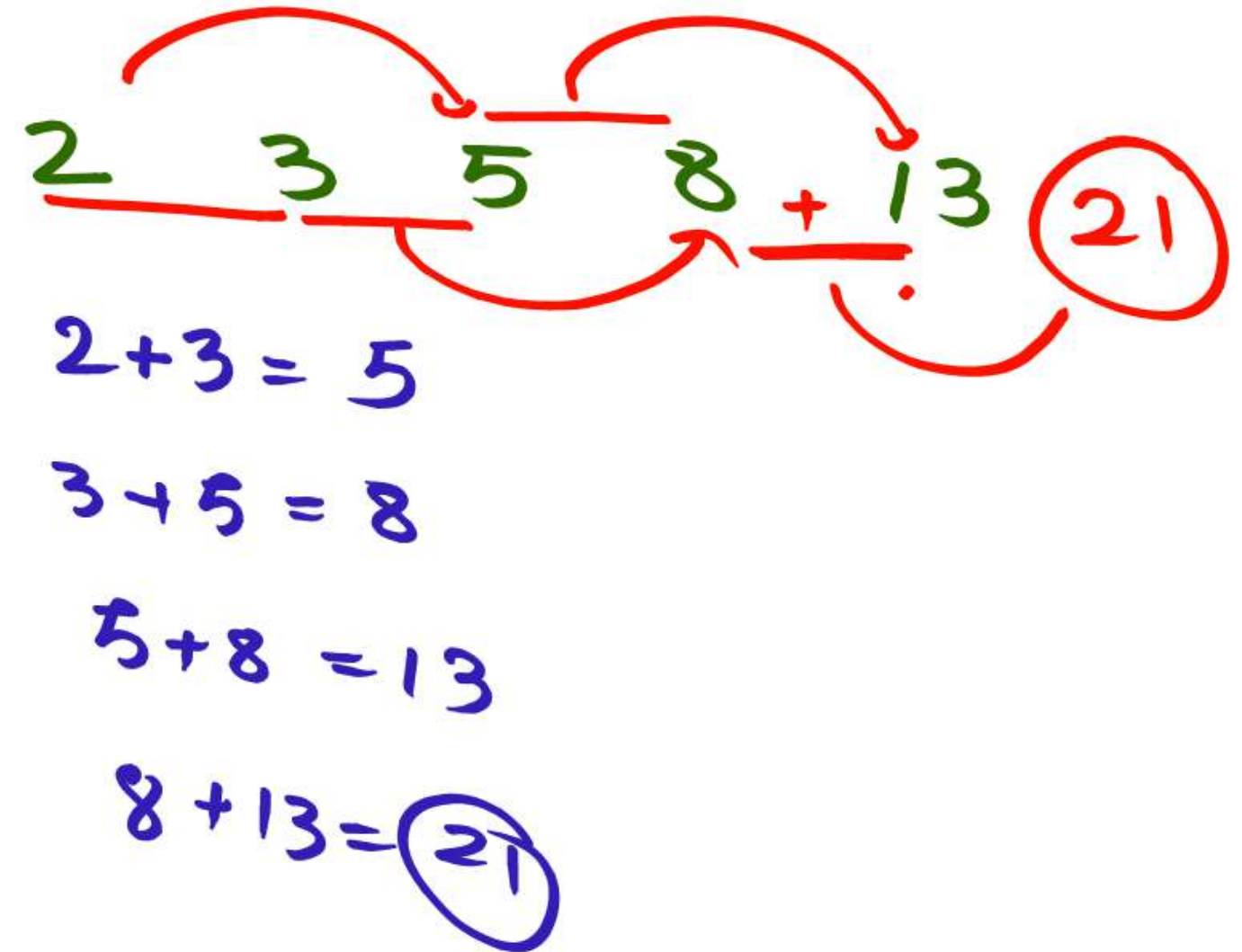
UPSI, 2011

(a) 16

(b) 18

✓✓ (c) 21

(d) 19



46080, 3840, 384, 48, ⁸?, 2, 1

$\div 12$ $\div 10$ $\div 8$ $\div 6$

UPSI, 2011

- (a) 36
- (b) 30
- (c) 24
- ✓ (d) 8

120, 295, 525, 810, 1150, ?**UPSI, 24/11/2021 (Shift 3)****(a) 1554****✓✓ (b) 1545****(c) 1544****(d) 1550** $75 + 210$

120 295 525 810 1150
✓ ✓ ✓ ✓
+175 +230 +285 +340 +395
✓ ✓ ✓ ✓
+55 +50 +55 +55

3, 2, 7, 4, 12, 7, 18, 11, 25 ?

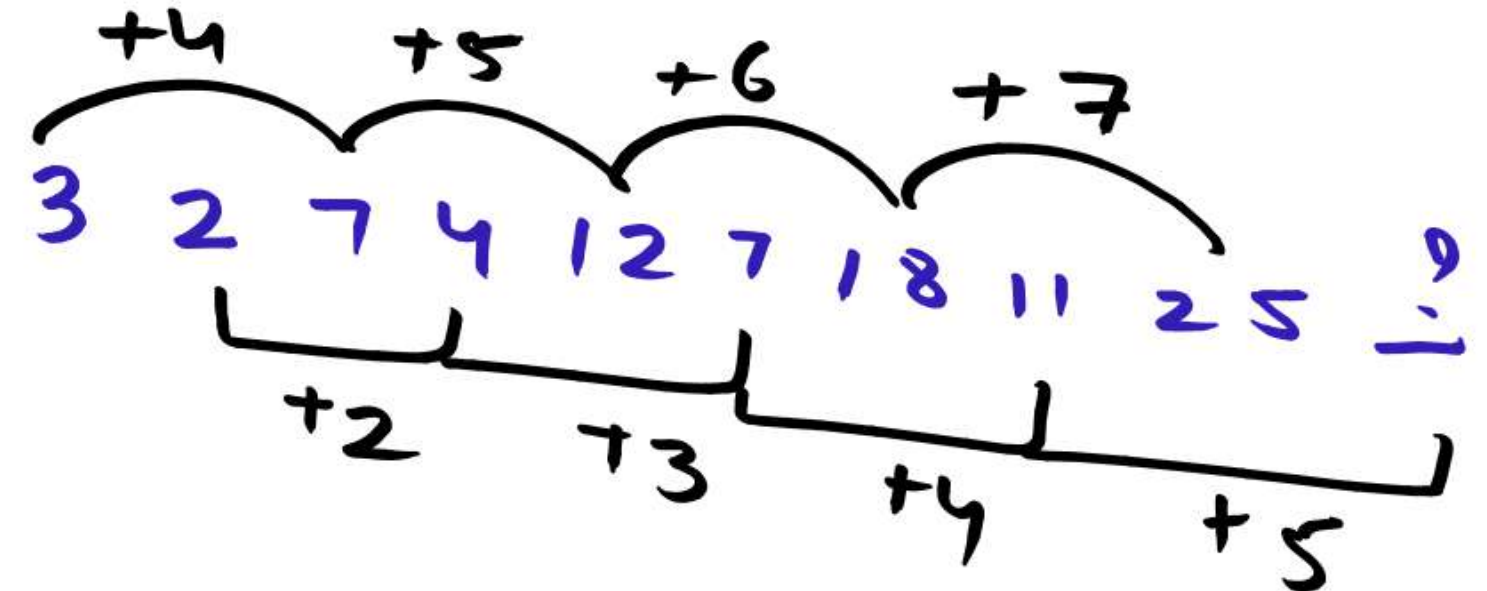
UPSI, 1991-92

(a) 14

(b) 15

✓ (c) 16

(d) 18



7, 19, 31, 51, 71, ?

UPSI, 13/12/2017 (Shift 2)

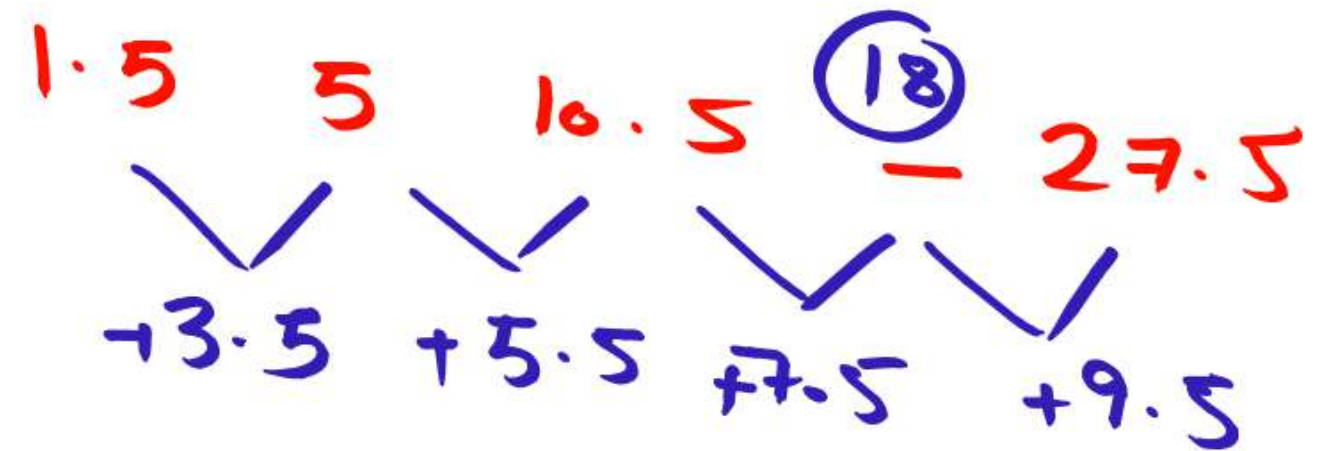
- (a) 103
- ✓ (b) 99
- (c) 105
- (d) 97

7 19 31 51 71
+12 +12 +20 +20 +28

1.5, 5, 10.5, ?, 27.5

UPSI, 13/12/2017 (Shift 3)

- (a) 14
- (b) 11
- ✓ (c) 18
- (d) 12



362, 133, 284, ?

UPSI, 13/12/2017 (Shift 3)

- (a) 168**
- (b) 712**
- (c) 155**
- (d) 248**

①

1, 1, 8, 216, ?

UPSI, 14/12/2017 (Shift 1)

- (a) 9868**
- (b) 1868**
- (c) 13824**
- (d) 18854**

②

250, 350, 471, 615, ?

UPSI, 14/12/2017 (Shift 2)

- (a) 784**
- (b) 884**
- (c) 824**
- (d) 684**

3

6, 3, 4, 13, 82, ?

UPSI, 15/12/2017 (Shift 3)

- (a) 785**
- (b) 857**
- (c) 789**
- (d) 727**

9

13, 28, 87, 352, ?

UPSI, 15/12/2017 (Shift 1)

- (a) 2428**
- (b) 1247**
- (c) 478**
- (d) 1765**



Direction: Find the wrong term in the series given below.

निर्देश: नीचे दी गई श्रृंखला में गलत पद ज्ञात कीजिए।

24, 48, 80, 122, 168, 224

UPSI, 14/11/2021 (Shift 2)

(a) 168

(b) 122

(c) 48

(d) 80

6

Direction: Find the wrong term in the series given below.

निर्देश: नीचे दी गई श्रृंखला में गलत पद ज्ञात कीजिए।

4 (180)5, 9(1980)11, 21(5670)9, 41(369)8

UPSI, 14/12/2017 (Shift 3)

- (a) 4(180)5
- (b) 41(369)8
- (c) 9(1980)11
- (d) 21(5670)9

7

Direction: Find the wrong term in the series given below.

निर्देश: नीचे दी गई श्रृंखला में गलत पद ज्ञात कीजिए।

320, 160, 120, 600, 2100, 9450

UPSI, 16/12/2017 (Shift 1)

- (a) 120**
- (b) 600**
- (c) 2100**
- (d) 160**

8

Direction: Find the wrong term in the series given below.

निर्देश: नीचे दी गई श्रृंखला में गलत पद ज्ञात कीजिए।

2, 4, 36, 48, 120, 180

UPSI, 20/12/2017 (Shift 3)

- (a) 120**
- (b) 48**
- (c) 36**
- (d) 180**

9

	✓	x^2+x	x^2-x
1	1	2	
2	4	6	
3	9	12	
4	16	20	
5	25	30	
6	36	42	
7	49	56	

Find the missing number:

लुप्त संख्या ज्ञात कीजिये।

2, 10, 30, 68, ?

(a) 101

(b) 102

✓ (c) 130

(d) 104

$$2 \Rightarrow 1^3 + 1$$

$$10 = 2^3 + 2$$

$$68 = 4^3 + 4 \checkmark$$

$$1^3+1 \quad 2^3+2 \quad 3^3+3 \quad 4^3+4 \quad 5^3+5$$

UP Police Constable, 18/06/2018 (Shift 1)

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What will come in place of the blank in the following series?

निम्नलिखित श्रृंखला में रिक्त स्थान के स्थान पर क्या आएगा?

5, 65, 6, 78, 7, 91, 8, ... 9, 117

✓ (a) 104 $+13$ $+13$ $+13$

(b) 126

(c) 114

(d) 108

UP Police Constable, 18/06/2018 (Shift 2)

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Find the missing number.

लुप्त संख्या ज्ञात कीजिये।

1, 4, 27, 256

✓✓ (a) 3125

(b) 625

~~(c) 720~~

~~(d) 2500~~

$1^1 \quad 2^2 \quad 3^3 \quad 4^4 \quad 5^5$

$5^3 \times 5^2$

125×25

UP Police Constable, 27/01/2019 (Shift 1)

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Find the missing numbers (X and Y) in the series and find the value of $X + Y$:

श्रृंखला में लुप्त संख्याएँ (X और Y) ज्ञात करें और

$X + Y$ का मान ज्ञात करें:

20, 22, 24, 26, X, 32, 36, Y

(a) 62

(c) 66

(b) 64

✓ (d) 68

UP Police Constable, 27/01/2019 (Shift 1)

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✳ Identify the missing term in the following number series.

निम्नलिखित संख्या श्रृंखला में लुप्त पद को पहचानें।

11, 12, 23, 35, 58

(a) 73

35 + 58

(b) 83

✓ (c) 93

(d) 103

UP Police Constable, 25/10/2018 (Shift 1)

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Identify the next term in the given series.

दी गई श्रृंखला में अगला पद पहचानें।

156, 272, 342, ?

✓ (a) 506

(b) 529

(c) 560

(d) 592

$$13^2 - 13$$

$$272$$

$$342$$

$$156$$

$$17^2 - 17$$

$$19^2 - 19$$

$$23^2 - 23$$

UP Police Constable, 26/10/2018 (Shift 1)

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DICE	- 05/01/2024
WORD ARRANGEMENT	- 06/01/2024
MATHEMATICAL OPERATIONS	- 08/01/2024
BLOOD RELATION	- 09/01/2024
ANALOGY	- 10/01/2024
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